

**Table 12.6.0 - ED mentions for respiratory agents by drug category: Estimated rates per 100,000 population for the coterminous U.S. by year**

Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
Antihistamines .....		1	1	1	1	1	1	1	-100.0	-100.0	-100.0
acetaminophen/phenylpropanolamine/phenyltoloxamine .....		0	...	0	...	0	0	0			
astemizole .....		0	0	0	0	0	0	0	-100.0	-100.0	-100.0
azatadine .....		0	0	0	0	0	0	0			
bromodiphenhydramine .....		0	0	0	0	0	0	0			
brompheniramine .....		0	0	0	0	0	0	0			
carboxamine .....		0	0	0	0	0	0	0			
cetirizine .....		0	0	0	0	0	0	0			
chlorpyramine .....		0	0	0	0	0	0	0			
chlorpheniramine .....		0	0	0	0	0	0	0	-82.7		
chlorphentermine .....		0	0	0	0	0	0	0			
clemastine .....		0	0	0	0	0	0	0			
cyproheptadine .....		0	0	0	0	0	0	0			
dexbrompheniramine .....		0	0	0	0	0	0	0			
dexchlorpheniramine .....		0	0	0	0	0	0	0			
diphenylpyraline HCl .....		0	0	0	0	0	0	0			
fexofenadine .....		0	0	0	0	0	0	0			
loratadine .....		0	0	0	0	0	0	0			
meclazine HCl .....		0	0	0	0	0	0	0			
methapyrilene HCl .....		0	0	0	0	0	0	0			
methdilazine .....		0	0	0	0	0	0	0			
neo-antergan hydrogen meleate .....		0	0	0	0	0	0	0	-100.0		
phenindamine .....		0	0	0	0	0	0	0			
pheniramine .....		0	0	0	0	0	0	0			
pheniramine/phenyltoloxamine/pyrilamine .....		0	0	0	0	0	0	0			
phenyltoloxamine .....		0	0	0	0	0	0	0			
promethazine .....		0	0	0	0	0	0	1			
pyribenzamine .....		0	0	0	0	0	0	0			
rotaxamine tartrate .....		0	0	0	0	0	0	0			
terfenadine .....		0	0	0	0	0	0	0			
trimeprazine .....		0	0	0	0	0	0	0	-100.0		
tripelennamine .....		0	0	0	0	0	0	0			
triprolidine .....		0	0	0	0	0	0	0			
antihistamines-NOS .....		0	0	0	0	0	0	0			
Bronchodilators .....		1	1	1	0	0	0	0	-85.1	234.9	128.8 -56.1
albuterol .....		0	0	0	0	0	0	0			
albuterol-ipratropium .....		0	0	0	0	0	0	0			
aminophylline .....		0	0	0	0	0	0	0	-100.0		
bitolterol .....		0	0	0	0	0	0	0			
dyphylline .....		0	0	0	0	0	0	0			
isoetharine .....		0	0	0	0	0	0	0			
isoproterenol-phenylephrine .....		0	0	0	0	0	0	0			
levalbuterol .....		0	0	0	0	0	0	0			
metaproterenol .....		0	0	0	0	0	0	0	-100.0		
oxtriphylline .....		0	0	0	0	0	0	0			
pirbuterol .....		0	0	0	0	0	0	0	-100.0		
proxypheylline .....		0	0	0	0	0	0	0	-100.0		
salmeterol .....		0	0	0	0	0	0	0			

**Table 12.6.0 - ED mentions for respiratory agents by drug category: Estimated rates per 100,000 population for the coterminous U.S. by year (continued)**

Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
terbutaline .....		0	..	0	0	..	..	0	-99.3		
theobromine magnesium oleate .....		0	0	0	0	0	0	0			
theophylline .....		1	0	0	0	0	0	0	-84.7		
bronchodilators-NOS .....		..	0	0	0	..	0	..			
Decongestants .....		1	1	1	1	1	0	0	-52.3		72.2
pseudoephedrine .....		1	1	1	1	1	0	0	-54.2		
decongestants-NOS .....		..	0	0	0	0	0	..			
Expectorants .....		0	0	0	0	0	0	0			
ambroxol .....		..	0	0	0	0	0	0		-100.0	
anhydrous calcium iodide-isoproterenol .....		0	0	0	0	0	0	0			
carbetapentane/PE/PPA/K guaiacolsulfonate .....		..	0	0	0	0	0	0			
chlorpheniramine/codeine/phenylephrine .....		0	0	0	0	0	0	0		-100.0	
guaifenesin .....		0	0	0	0	0	0	0			
potassium iodide .....		..	0	0	0	0	0	0			
terpin hydrate .....		0	0	0	0	0	0	0	-100.0		
expectorants-NOS .....		0	0	..	0	0	0	..			
Upper respiratory combinations .....		3	3	3	2	2	1	2	5,480.0	286.2	67.0
acetaminophen-chlorpheniramine .....		0	0	..	0	0	0	0			255.4
acetaminophen-dextromethorphan .....		..	0	0	0	0	0	0			
acetaminophen-phenylephrine .....		0	0	0	0	0	0	..			
acetaminophen-pseudoephedrine .....		0	0	0	0	0	0	..			
acetaminophen/dextromethorphan/doxylamine/ephedrine .....		0	0	0	0	0	0	0			
acrivastine-pseudoephedrine .....		0	0	0	0	..	..	0			
ammonium chloride/CPM/codeine/PE .....		..	0	0	0	0	0	0			
ammonium chloride/CPM/DM/ephedrine/pecac/PE .....		..	0	0	0	0	0	0			
anhydrous calcium iodide-codeine .....		..	0	0	0	0	0	0			
APAP/ASA/PPA .....		..	0	0	0	0	0	0			
APAP/brompheniramine/phenylpropanolamine .....		..	0	0	0	0	0	0			
APAP/brompheniramine/pseudoephedrine .....		0	..	0	0	0	0	0			
APAP/caffeine/chlorpheniramine/PPA .....		..	0	0	0	0	0	0			
APAP/caffeine/CPM/hydrocodone/PE .....		..	0	0	0	0	0	0			
APAP/caffeine/guaifenesin/phenylephrine .....		..	0	0	0	0	0	0			
APAP/caffeine/PPA/salicylamide .....		..	0	0	0	0	0	0			
APAP/chlorpheniramine/codeine/phenylephrine .....		..	0	0	0	0	0	0			
APAP/chlorpheniramine/dextromethorphan/PPA .....		..	0	0	0	0	0	0			
APAP/chlorpheniramine/dextromethorphan/PSE .....		0	0	..	0	..	0	0			
APAP/chlorpheniramine/guaifenesin/PPA .....		..	0	0	0	..	..	..			
APAP/chlorpheniramine/phenylephrine .....		..	0	0	0	0	0	0			
APAP/chlorpheniramine/phenylephrine/dextromethorphan/guaifenesin .....		..	0	0	0	..	0	0			
APAP/chlorpheniramine/phenylpropanolamine .....		..	0	0	..	..	0	..			
APAP/chlorpheniramine/pseudoephedrine .....		0	0	0	..	..	..	..			
APAP/CPM/phenylephrine/PPA/pyrilamine .....		..	0	0	..	..	..	..			
APAP/CPM/phenylephrine/salicylamide .....		0	0	0	0	0	0	0			
APAP/dexbrompheniramine/pseudoephedrine .....		0	0	0	0	0	0	0			
APAP/dextromethorphan/diphenhydramine/PSE .....		..	0	0	..	..	..	..			
APAP/dextromethorphan/doxylamine/PSE .....		1	0	1	1	1	0	0			
APAP/dextromethorphan/guaifenesin/PPA .....		0	0	0	0	0	0	0			
APAP/dextromethorphan/guaifenesin/PSE .....		..	0	0	..	..	..	..			

**Table 12.6.0 - ED mentions for respiratory agents by drug category: Estimated rates per 100,000 population for the coterminous U.S. by year (continued)**

Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
APAP/dextromethorphan/phenylpropanolamine .....											
APAP/dextromethorphan/PSE/pyrilamine .....											
APAP/dextromethorphan/pseudoephedrine .....		0	...	...	...	0	0	0			
APAP/diphenhydramine/pseudoephedrine .....		0	...	...	0	...	0	0			
APAP/pseudoephedrine/triprolidine .....		0	...	...	0	...	0	0			
ASA/brompheniramine/dextromethorphan/PPA .....		0	...	0	...	0	...	...			
ASA/chlorpheniramine/dextromethorphan/PPA .....		0	...	0	...	0	...	...			
ASA/chlorpheniramine/phenylpropanolamine .....		0	...	0	...	0	...	...			
ASA/diphenhydramine/PPA .....		0	...	0	...	0	...	0			
aspirin-pseudoephedrine .....		0	...	0	...	0	0	0			
atropine/CPM/hyoscyamine/PE/PPA/scopolamine .....		...	0	...	0	0	0	0			
azatadine-pseudoephedrine .....		...	0	0	...	...	0	0			
bromodiphenhydramine-codeine .....		0	0	0	0	0	0	0	-100.0	-100.0	-100.0
brompheniramine-phenylephrine .....		0	...	...	0	0	...	...			-100.0
brompheniramine-phenylpropanolamine .....		0	...	...	0	0	...	...			-100.0
brompheniramine-pseudoephedrine .....		0	...	...	0	0	...	0			-100.0
brompheniramine/codeine/phenylpropanolamine .....		0	...	...	0	0	0	0			-100.0
brompheniramine/dextromethorphan/PPA .....		0	0	0	...	0	...	0			
brompheniramine/dextromethorphan/PSE .....		0	0	0	...	0	...	0			
brompheniramine/guaifenesin/phenylephrine/PPA .....		0	0	0	0	...	0	0			
brompheniramine/phenylephrine/PPA .....		0	...	...	0	0	0	0			-100.0
caffeine/pheniramine/PE/Na citrate, salicylat .....		0	...	0	...	0	0	0			
carbetapentane/chlorpheniramine/phenylephrine .....		0	...	0	0	0	0	0			
carbetapentane/CPM/ephedrine/phenylephrine .....		0	...	0	0	0	0	0			
carbinoxamine-pseudoephedrine .....		0	0	0	...	0	0	0			
carbinoxamine/dextromethorphan/PSE .....		0	0	0	...	0	0	0			
chlorpheniramine-dextromethorphan .....		0	0	0	0	0	0	0			
chlorpheniramine-hydrocodone .....		0	...	0	...	0	0	0			
chlorpheniramine-phenylephrine .....		0	...	0	0	0	0	0			
chlorpheniramine-phenylpropanolamine .....		0	0	0	0	0	0	0			
chlorpheniramine-pseudoephedrine .....		0	0	0	0	0	0	0			
chlorpheniramine/codeine/PE/K iodide .....		0	0	0	0	0	0	0			
chlorpheniramine/codeine/phenylephrine/PPA .....		0	0	0	0	0	0	0			
chlorpheniramine/codeine/pseudoephedrine .....		0	0	0	0	0	0	0			
chlorpheniramine/dextromethorphan/PPA .....		0	0	0	0	0	0	0			
chlorpheniramine/dextromethorphan/PSE .....		0	0	0	0	0	0	0			
chlorpheniramine/dihydrocodeine/PE/PPA .....		0	0	0	0	0	0	0			
chlorpheniramine/DM/guaifenesin/phenylephrine .....		0	0	0	0	0	0	0			
chlorpheniramine/DM/phenylephrine .....		0	0	0	0	0	0	0			
chlorpheniramine/ephedrine/guaifenesin .....		0	0	0	0	0	0	0			
chlorpheniramine/guaifenesin/phenylephrine .....		0	0	0	0	0	0	0			
chlorpheniramine/guaifenesin/pseudoephedrine .....		0	0	0	0	0	0	0			
chlorpheniramine/hydrocodone/phenylephrine .....		0	0	0	0	0	0	0			
chlorpheniramine/hydrocodone/PSE .....		0	0	0	0	0	0	0			
chlorpheniramine/methscopolamine/PE .....		0	0	0	0	0	0	0			
chlorpheniramine/methscopolamine/PPA .....		0	0	0	0	0	0	0			
chlorpheniramine/methscopolamine/PSE .....		0	0	0	0	0	0	0			
chlorpheniramine/PE/phenyltoloxamine .....		0	0	0	0	0	0	0			

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Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
chlorpheniramine/PE/PPA/phenyltoloxamine .....		...	0	...	0	0	0	...			...
chlorpheniramine/phenindamine/PPA .....		0	0	0	0	0	0	0			
chlorpheniramine/phenylephrine/PPA .....		0	0	...	0	0	0	0			
chlorpheniramine/phenylephrine/PPA/pyrilamine .....		0	0	0	0	0	0	0			
chlorpheniramine/phenylephrine/pyrilamine .....		0	0	0	0	0	0	0			
clemastine-phenylpropanolamine .....		0	0	0	0	0	0	0			
codeine-guaifenesin .....		0	0	0	0	0	0	0			
codeine-promethazine .....		0	0	0	0	0	0	0			
codeine-pseudoephedrine .....		0	0	0	0	0	0	0			
codeine/guaifenesin/phenylpropanolamine .....		0	0	0	0	0	0	0			
codeine/guaifenesin/PSE .....		0	0	0	0	0	0	0			
codeine/pheniramine/phenylephrine/Na citrate .....		0	0	0	0	0	0	0			
codeine/phenylephrine/promethazine .....		0	0	0	0	0	0	0			
codeine/phenylephrine/pyrilamine .....		0	0	0	0	0	0	0			
codeine/pseudoephedrine/triprolidine .....		0	0	0	0	0	0	0			
dexbrompheniramine-pseudoephedrine .....		0	0	0	0	0	0	0			
dexchlorpheniramine/guaifenesin/PSE .....		0	0	0	0	0	0	0			
dextromethorphan-guaifenesin .....		0	0	0	0	0	0	0			
dextromethorphan-phenylpropanolamine .....		0	0	0	0	0	0	0			
dextromethorphan-potassium guaiacolsulfonate .....		0	0	0	0	0	0	0			
dextromethorphan-promethazine .....		0	0	0	0	0	0	0			
dextromethorphan-pseudoephedrine .....		0	0	0	0	0	0	0			
dextromethorphan/guaifenesin/phenylephrine .....		0	0	0	0	0	0	0			
dextromethorphan/guaifenesin/PPA .....		0	0	0	0	0	0	0			
dextromethorphan/guaifenesin/pseudoephedrine .....		0	0	0	0	0	0	0			
dextromethorphan/phenylephrine/pyrilamine .....		0	0	0	0	0	0	0			
diphenhydramine-pseudoephedrine .....		0	0	0	0	0	0	0			
ephedrine-guaifenesin .....		0	0	0	0	0	0	0			
ephedrine-potassium iodide .....		0	0	0	0	0	0	0			
fexofenadine-pseudoephedrine .....		0	0	0	0	0	0	0			
guaifenesin-hydrocodone .....		0	0	0	0	0	0	0			
guaifenesin-hydromorphone .....		0	0	0	0	0	0	0			
guaifenesin-phenylephrine .....		0	0	0	0	0	0	0			
guaifenesin-phenylpropanolamine .....		0	0	0	0	0	0	0			
guaifenesin-pseudoephedrine .....		0	0	0	0	0	0	0			
guaifenesin/hydrocodone/pheniram/PPA/pyrilamin .....		0	0	0	0	0	0	0			
guaifenesin/hydrocodone/pheniramine/PE/PPA .....		0	0	0	0	0	0	0			
guaifenesin/hydrocodone/phenylephrine .....		0	0	0	0	0	0	0			
guaifenesin/hydrocodone/pseudoephedrine .....		0	0	0	0	0	0	0			
guaifenesin/phenylephrine/PPA .....		0	0	0	0	0	0	0			
homatropine-hydrocodone .....		0	0	0	0	0	0	0			
hydrocodone-phenylephrine .....		0	0	0	0	0	0	0			
hydrocodone-phenylpropanolamine .....		0	0	0	0	0	0	0			
hydrocodone-potassium guaiacolsulfonate .....		0	0	0	0	0	0	0			
hydrocodone-pseudoephedrine .....		0	0	0	0	0	0	0			
hydrocodone/pheniramine/PE/PPA/pyrilamine .....		0	0	0	0	0	0	0			
hydrocodone/phenylephrine/pyrilamine .....		0	0	0	0	0	0	0			
hydrocodone/potassium guaiacolsulfonate/PSE .....		0	0	0	0	0	0	0			

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Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
ibuprofen-pseudoephedrine .....		...	0	...	...	0	...	...			
loratadine-pseudoephedrine .....		0	0	0	...	0	...	...			
naproxen-pseudoephedrine .....		0	0	0	...	...	0	0			
pheniramine/PPA/phenyltoloxamine/pyrilamine .....		0	0	0	...	0	0	0			
pheniramine/PPA/pyrilamine .....		0	0	0	0	0	0	0			
phenylephrine-promethazine .....		...	0	0	0	0	0	0			
phenylephrine-pyrilamine .....		0	0	0	0	0	0	0			
pseudoephedrine-terfenadine .....		0	0	0	0	0	0	0	-91.9		
pseudoephedrine-triprolidine .....		0	0	0	0	0	0	0		-88.7	
upper respiratory combinations-NOS .....		0	0	0	0	0	0	0		-61.0	
Respirstoy agents NTA .....		0	0	0	0	0	0	0			
acetylcysteine .....											
alpha 1-proteinase inhibitor .....											
aminophylline-guaifenesin .....											
aminophylline/amobarbital/ephedrine .....											
aminophylline/ephedrine/guaifenesin/PB .....		0	0	0	0	0	0	0			
aminophylline/ephedrine/PB/K iodide .....		0	0	0	0	0	0	0			
beclomethasone .....		...	0	0	0	0	0	0			
benzonate .....		0	0	0	0	0	0	0			
beractant .....		0	0	0	0	0	0	0			
budesonide .....											
calfactant .....											
caramiphen-phenylpropanolamine .....											
codeine/terpin hydrate .....											
colfosceril .....											
cromolyn .....		0	0	0	0	0	0	0			
cyclopentamine/methapyrilene HCl/pyrrobutamine .....		0	0	0	0	0	0	0			
dextromethorphan .....		0	0	0	0	0	0	0			
dornase alfa .....											
dyphylline-guaifenesin .....		0	0	0	0	0	0	0			
dyphylline/ephedrine/guaifenesin/PB .....		0	0	0	0	0	0	0			
ephedrine/guaifenesin/theophylline .....											
ephedrine/hydroxyzine/theophylline .....											
ephedrine/PB/K iodide/theophylline .....		0	0	0	0	0	0	0			
ephedrine/phenobarbital/theophylline .....		0	0	0	0	0	0	0			
ephedrine/phenobarbital/theophylline/guaifenesin .....		0	0	0	0	0	0	0			
flunisolide .....		0	0	0	0	0	0	0			
fluticasone .....											
guaifenesin-oxtriphylline .....											
guaifenesin-theophylline .....		0	0	0	0	0	0	0			
hexylresorcinol .....		0	0	0	0	0	0	0			
homatropine .....											
ipratropium .....		0	0	0	0	0	0	0			
ketotifen fumarate .....		0	0	0	0	0	0	0			
montelukast .....											
nedocromil .....		0	0	0	0	0	0	0			
nikethamide .....											
poractant .....		0	0	0	0	0	0	0			

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Drug name <sup>1</sup>		Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>2</sup> 1994, 2000	% change <sup>2</sup> 1998, 2000	% change <sup>2</sup> 1999, 2000
zaflurkast .....		0	0	0	0	0	0	0			
zileuton .....											
antiasthmatic combinations-NOS .....		0	0	...	0	...	0	...			
antitussives-NOS .....											
leukotriene modifiers-NOS .....											
lung surfactants-NOS .....											
respiratory agents-NOS .....		0	...	...	0	0	0	...			
respiratory inhalant products-NOS .....											

<sup>1</sup> This classification of drugs is derived from the Multum Lexicon, Copyright © 2001, Multum Information Services, Inc. The classification has been modified to meet DAWN's unique requirements (2001). The Multum Licensing Agreement governing use of the Lexicon is provided in an appendix to this report and can be found on the Internet at <http://www.multum.com>.

<sup>2</sup> This column denotes statistically significant ( $p < 0.05$ ) increases and decreases between estimates for the periods noted. See Relative Standard Error (RSE) tables for  $p$ -values.

NOTE: These estimates are based on a representative sample of non-Federal, short-stay hospitals with 24-hour emergency departments in the coterminous U.S. Dots (...) indicate that an estimate with an RSE greater than 50% has been suppressed. Drugs are classified to the degree of specificity recorded in the DAWN case reports.

ED = emergency department, NOS = not otherwise specified, NTA = not tabulated above.

SOURCE: Office of Applied Studies, SAMHSA, Drug Abuse Warning Network, 2000 (09/2001 update).